Marine Chemistry, 45 (1994) 339–340
Elsevier Science B.V.

Contents

Marine Chemistry, Volume 45 (1994)

Research Papers
A rapid micro-scale method for the extraction and analysis of protein in marine samples
R.T. Nguyen, H.R. Harvey 1
Protein adsorption from seawater onto solid substrata, I. Influences of substratum surface properties and protein concentration
G.T. Taylor, P.J. Troy, S.K. Sharma 15
The fluorescence of dissolved organic matter in porewaters of marine sediments
R.F. Chen, J.L. Bada 31
Determination of biogenic silica in coastal waters: applicability and limits of the alkaline digestion method
O. Ragueneau, P. Tréguer 43
An operative definition of alkalinity in interstitial waters
A. Gómez-Parra, J.M. Forja 53
Partitioning of Cu in estuarine waters, I. Partitioning in a poisoned system
A.J. Paulson, H.C. Curl, Jr., J.F. Gendron 67
Partitioning of Cu in estuarine waters, II. Control of partitioning by the biota
A.J. Paulson, H.C. Curl, Jr., J.F. Gendron 81
Seasonal evolution of bromomethanes from coralline algae (Corrallinaceae) and its effect on atmospheric ozone
N. Itoh, M. Shinya 95
The distribution of colloidal and dissolved organic carbon in the Gulf of Mexico
L. Guo, C.H. Coleman Jr., P.H. Santschi 105
Amino acid composition of seawater and dissolved humic substances in the Greenland Sea
U. Hubberten, R.J. Lara, G. Kattner 121
The influence of light and temperature on carbon-specific DMS release by cultures of *Phaeocystis antarctica* and three antarctic diatoms
M.E.M. Baumann, F.P. Brandini, R. Staubes 129
Influence of biotic factors on the hydrochemical structure of surface water in the Polar Frontal Zone of the Atlantic Antarctic
E.V. Dafner, N.V. Mordasova. 137
Vertical variations in the principle chemical properties of the Black Sea in the autumn of 1991
Ö. Bastürk, C. Saydam, I. Salihoglu, L.V. Eremeeva, S.K. Konovalov, A. Stoyanov, A. Dimitrov, A. Cociasu, L. Dorogan, M. Altabet 149
Nitrogen interchanges generated by biogeochemical processes in a Galician ria
R. Prego 167

Announcement 177

Research Papers
Rare earth elements in hydrothermal fluids and plume particulates by inductively coupled plasma mass spectrometry
G. Klinkhammer, C.R. German, H. Elderfield, M.J. Greaves, A. Mitra 179
Abiotic transformation of labile protein to refractory protein in sea water
R.G. Keil, D.L. Kirchman 187
Phosphine in the fluvial and marine hydrosphere
G. Gassmann 197
Dissolved organic carbon in oligotrophic waters: experiments on sample preservation, storage and analysis
L.M. Tupas, B.N. Popp, D.M. Karl 207

Rapid analysis of organic carbon and nitrogen in particulate materials
J. Nieuwenhuize, Y.E.M. Maas, J.J. Middelburg 217
Behaviour of nickel, copper, zinc and cadmium in the upper 300 m of a transect in the Southern Ocean (57°–62°S, 49°W)
R.F. Nolting, H.J.W. de Baar 225
Can amino acids be synthesized by H_2S in anoxic lakes?
W.J. Cole, M. Kaschke, J.A. Sherringham, G.B. Curry, D. Turner, M.J. Russell 243
Comparison of the August–September 1991 and 1979 surface partial pressure of CO_2 distribution in the Equatorial Pacific Ocean near 150W
C. Goyet, E. T. Peltzer 257
Speciation of aluminium, chromium and titanium in the NW Mediterranean
Constant M.G. van den Berg, Marc Boussemart, Kunihiko Yoko, Tri Prartono, M. Lucia A.M. Campos ... 267
Particulate and dissolved Nd in the western Mediterranean Sea: sources, fate and budget
F. Henry, C. Jeandel, B. Dupré, J.-F. Minster 283
Partitioning of Cu, Pb, Ag, Zn, Fe, Al, and Mn between filter-retained particles, colloids, and solution in six Texas estuaries
G. Benoit, S.D. Oktay-Marshall, A. Cantu, II, E.M. Hood, C.H. Coleman, M.O. Corapcioglu, P.H. Santschi 307

Erratum 337